AMENDMENTS TO THE CLAIMS

Please replace all prior versions of the claims with the following claims:

Claims 1-36 (cancelled)

37. (new) A passive capillary system for draining excess perched water from a golf green or athletic field, the golf green or athletic field being formed from a gravel layer and a sandy root zone layer arranged above the gravel layer in a horizontally layered soil profile, the golf green or athletic field being structured so that excess water passively drains from the gravel layer, the sandy root zone layer and gravel layer defining therebetween an interface above which perched water tends to accumulate due to capillary breakdown between the sandy root layer and the gravel layer, the passive capillary system comprising

multiple elongated porous drainage members positioned in the layered soil profile at spaced intervals to form an array in the putting green or athletic field, at least some of these elongated porous drainage members passing vertically downwardly beginning from within the sandy root layer and extending substantially into the gravel layer, thereby providing a substantially continuous porous pathway allowing excess perched water above the interface to passively drain out of the golf green or athletic field without application of a subatomospheric pressure to its gravel layer.

38. (new) The passive capillary system of claim 37, wherein the golf green or athletic field has a contoured surface.

39. (new) The system of claim 37, wherein at least some of the elongated porous drainage members are substantially vertically oriented.

40. (new) The system of claim 39, wherein at least some of the elongated porous drainage members comprise a fiberglass rope or fiberglass tape.

41. (new) The system of claim 40, wherein the fiberglass rope or fiberglass tape has a diameter of about 0.64 to 2.54 cm.

42. (new) The system of claim 39, wherein at least some of the elongated porous drainage members are spaced about 24 inches (61 cm) from one another.

43. (new) The system of claim 39, wherein at least some of the elongated porous drainage members extend about 100 mm into the sandy root zone layer.

44. (new) The system of claim 39, wherein at least some of the elongated porous drainage members are inserted into the layered soil profile through pilot holes formed by driving one or more tines into the soil using a mechanical actuator.

45. (new) The system of claim 44, wherein the mechanical actuator is a hydraulic ram.

46. (new) The system of claim 44, wherein at least some of the elongated porous drainage members are fiberglass ropes which are inserted into the pilot holes using a mechanical actuator.

47. (new) The system of claim 46, wherein insertion of the fiberglass ropes into the pilot holes is facilitated by using a stiffening support means.

48. (new) The system of claim 47, wherein the stiffening support means is selected from one or more of a small diameter wire, a plastic dowel, and a wooden dowel affixed along the axis of the fiberglass rope.

49. (new) The system of claim 39, wherein at least some of the elongated porous drainage members are inserted into the soil using a thin, reinforced metal plate.

50. (new) The system of claim 49, wherein the elongated porous drainage members are reversibly affixed to the reinforced metal plate and the assembly is driven into the soil using a mechanical actuator.

51. (new) A supplemental drainage system for passively draining excess water from a field having a soil profile defined by gravel layer and a sandy root zone layer arranged above the gravel layer in a horizontally layered soil profile, the field being structured so that excess water passively drains from the gravel layer,

the passive capillary system comprising multiple elongated porous drainage members arranged in an array in the field, at least some of these elongated porous drainage members

vertically spanning the interface between the sandy root layer and the gravel layer so that excess perched water can flow out of the sandy root zone, into the gravel layer and away from the field without application of subatomospheric pressure to the gravel layer.

52. (new) The system of claim 51, wherein the upper ends of the vertically-spanning elongated porous drainage members are received in lower portions of the sandy root layer.

53. (new) The system of claim 52, wherein the upper ends of the vertically-spanning elongated porous drainage members extend about 100 mm into the sandy root layer.